

CLAIMS

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What is claimed is:

1. A method of assembling of a door comprising the steps of:
providing door inner panel having an outer face and an inner face, at least one functional component of the door,
an anti intrusion beam,
a door outer panel; and
assembling the at least one functional component onto and towards the outer face prior to assembling the anti intrusion beam onto and towards the outer face prior to assembling the door outer panel towards the outer face and securing via fixing means the door inner panel, the at least one functional component, the anti intrusion beam and the door outer panel relative to each other.
2. The method of claim 1 in which the at least one functional component of the door is secured prior to assembly of the anti intrusion beam.
3. The method of claim 1 in which the anti intrusion beam is secured prior to assembly of the door outer panel.
4. The method of claim 1 including the steps of providing a trim panel, assembling the trim panel towards the inner face and securing the trim panel by fixing means.
5. The method of claim 1 in which the fixing means includes at least one fixing element which is assembled towards the outer face.
6. The method of claim 5 in which the fixing element includes a primary axis which is positioned substantially perpendicular to the outer face.
7. The method of claim 6 in which the fixing means includes a primary fixing direction which faces the outer face during assembly.

8. The method of claim 1 in which the door outer panel, the anti intrusion beam and the at least one functional component are non destructively releasably fixed by the fixing means.

100 90 80 70 60 50 40 30 20 10

9. A method of assembling a door into a car body comprising the steps of:
providing a subassembly of the door inner panel, at least one functional component of the door and an anti intrusion beam on a first assembly line;
providing a car body on a second assembly line;
providing the door outer panel on the second assembly line;
moving the subassembly from the first assembly line to the second assembly line;
fixing the subassembly onto the car body; and
fixing the door outer panel onto the subassembly.

10. The method of claim 9 in which the subassembly provided at the first assembly line further includes a trim panel.

11. The method of claim 9 including the step of providing a trim panel at the second assembly line and after the subassembly has been moved to the second assembly line fixing the trim panel on the subassembly.

12. The method of claim 9 including the step of providing a plurality of different door outer panels at the second assembly line and selecting one of the plurality to assemble onto the door.

13. The method of claim 12 in which the plurality of door outer panels at least differ in their shape.

14. The method of claim 12 in which the plurality of different door outer panels at least differ in their color.

15. The method of claim 11 including the step of providing a plurality of different trim panels and selecting one to assemble onto the door.